Wednesday, 4/19/2006 7:38:38 AM Kim Johnston User: **Process Sheet** : 02.250 SUPPORT **Drawing Name** : CU-DAR001 Dart Helicopters Services Customer Job Number : 26715 : 11057 **Estimate Number** : D28911 **Part Number** : N/A P.O. Number D2891 REV A1 S.O. No. **Drawing Number** : 4/19/2006 This Issue Project Number : N/A Prsht Rev. : PURCHASED PARTS Drawing Revision First Issue Type : N/A Material **Previous Run** : 5/18/2006 **Due Date** Written By **Checked & Approved By** Added P/O KJ Comment **Additional Product** Job Number: Description: Machine Or Operation: Seq. #: **PURCHASING** 1.0 PG Comment: PURCHASING Issue P/O: 1071 Description: D6104-003 Material: 17-4 PH SS (AMS 5643 OR AISI 630) as per Dwg D6104 Material release note required. 60 Blank size makes (2) D2891-1 D6104003 2.0 Comment: Qty.: 1.0000 Each(s)/Unit Total: 8.0000 Each(s) Support 2.25 dia PACKAGING RESOURCE #1 PACKAGING 1 3.0 Comment: PACKAGING RESOURCE #1 Recieive & Inspect for Transit Damage Ensure Material Release Note is attached MORI SEIKI CNC LATHE LARGE MORI SEIK Comment: MORI SEIKI LATHE Turn blank for Haas as per Folio FA046 Inspect Level

	· ·	
Dart	Aerospace	Ltd

W/O:		WORK ORDER CHANGES										
DATE STEP		PROCEDURE CHANGE	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector						
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		*										

Part No: _	PA	R #: Fault Cate	egory: NCR:	Yes No. DQA:	Date: <u>%//6/3/</u>
٥	•			QA: N/C Closed:	Date:

NCR:		WORK ORDER NON-CONFORMANCE (NCR)								
		 Description of NC 		Corrective Action Section B		Verification	A	Approval		
DATE STE	STEP	Section A	Initial Chief Eng	Action Description Chief Eng	Sign & Date	Section C	Approval Chief Eng	QC Inspector		
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NOTE: Date & initial all entries

Wednesday, 4/19/2006 7:38:38 AM Date: Kim Johnston User: **Process Sheet** Drawing Name: 02.250 SUPPORT Customer: CU-DAR001 Dart Helicopters Services Part Number: D28911 Job Number: 26715 Job Number: Description: Seq. #: **Machine Or Operation:** BAND SAW BAND SAW 6.0 Comment: BAND SAW Machine as per Folio FA046 Tumble & Deburr INSPECT PARTS AS THEY COME OFF MACHINE QC2 7.0 PARTS AS THEY COME OFF MACHINE Comment: INSPECT SECOND CHECK 8.0 QC8 Comment: SECOND CHECK POWDER COATING POWDER COATING Comment: POWDER COATING X 10 set Powder Coat White Gloss (Ref: 4.3.5.2) as per QSI 005 4.3 INSPECT POWDER COAT/CHEMICAL CONVERSION QC3 10.0 20 m Comment: INSPECT POWDER COAT/CHEMICAL CONVERSION PACKAGING RESOURCE #1 11.0 PACKAGING Comment: PACKAGING RESOURCE #1 Identify and Stock Location: 57166 DC 12.0 Comment: DOCUMENT CONTROL Inspection Level 21 (Localio13) Job Completion

Dart Aerospace Ltd

W/O:		,	WC	RK ORDER CHAN	GES					
DATE	STEP	. PR	PROCEDURE CHANGE						Approval Chief Eng / Prod Mgr	Approval QC Inspector
							· - · · · · · · · · · · · · · · · · · · ·			
Part No	:	PAR #:	Fault Cate	jory:	NCR: Y	es N	o DQ	A :	_ Date: _	
			·		Q.A	\: N/C	Close	d:	_ Date: _	
NCR:			WORK ORDE	ER NON-CONFORM	IANCE (N	CR)				
DATE	STEP	Description of NC	Description of NC Corrective Action Sec				Verification		Approval	Approval
DATE	SIEP	Section A	Initial Chief Eng	Action Description Chief Eng	Sig	n & ate	Secti		Chief Eng	QC Inspector
								!		

NOTE: Date & initial all entries

DART AEROSPACE LTD	Work Order:	26715		
Description: Ø2.250 Support	- Part Number:	D2891-1		
Inspection Dwg: D2891 Rev. A1		Page 1 of 1		

Inspect dimensions highlighted on inspection sheet drawing D2891 Rev.A1/DSK076 Rev.A and record below:

nspeci		Ingilii	ghted on inspe	т					
				Re	corded Actu	ual Dimensi	ons -		
Dim	Min	Max	Go/No Go Gauge	1	2	3	4	Ву	Date
				Lathe	e Section				
A	2.274	2.279		2.279	2.278	2.279	2.279		
В	3.702	3.722		3.720	3.714	3.718	3.718		
С	2.564	2.584		2.574	2576		2.574		
D	0.718	0.738		0.724	0.729	0.733	6.728		
Е	0.090	0.110		0.091	6.055	0.696	0.101		
F	2.464	2.484		2474	2.473	2.475	2474		
G	2.029	2.049		2.633	2.039	2.039	2.036		
Н	2.964	2.984		2.971	2.574				
I	0.913	0.933		0.928	0.922	0.929	0924		
J	0.022	0.042		0037	0.032	0.632	0.032		
K	0.090	0.110		0.895	0.094	0.098	0401		
L								L,	
				HAAS	S Section				
AA	0.188	0.193	DT8706	0.196	0.190	0.190	0.190		
AB	0.240	0.260		0.252	0.250	0-951	0.251		
AC	0.115	0.150		0-129	0-131	6.132	0.133		
AD	0.040	0.060		0.051	0-658	0.051	0-052		
AE	0.010	0.020		0.015	0.015	0.015	0-015		
AF	0.240	0.260		0-250	0.250	0.015	0-015 0-250 0.301		
AG	0.290	0.310		0.301	0.302	0.301	0.301		
AH	0.115	0.150		0.137	0-137	0.137	0.137		
ΑI	0.454	0.474		0.464	0.467	0-466	0.466	L	
AJ	2.779	2.789		2.781	2,783	2.782	2.781		
AK	0.240	0.260		0-250	0.250	0-250	0-250		
AL	1.002	1.042		1.041	6,641	110.8	4 .049		
AM_	0.053	0.073		0.063	0-063	0.063	0 063		
AN	0.257	0.262	DT8683	0.258	0-258	0-258	0.258		
AO	1.663	1.683		1.667	1.667	1.666	1-667		
AP_	0.053	0.073		0.063	0.063	0.063	0063		
AQ	0.022	0.042		0.037	0.032	0.032	0.032		
AR									
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	Acc	ept/Reje	ct			<u> </u>			· · · · · · · · · · · · · · · · · · ·

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Measured by: 5.67	Audited by	me
Date: 06110118	Date:	06/10/20

Rev	Date	Change	Revised by	Approved
Α	02.12.12	New Issue	KJ/RF	#

DART AEROSPACE LTD	Work Order:	26715
Description: Ø2.250 Support	Part Number:	D2891-1
Inspection Dwg: D2891 Rev. A1		Page 1 of 1

Inspect dimensions highlighted on inspection sheet drawing D2891 Rev.A1/DSK076 Rev.A and record below:

			girted on inspe	1		ual Dimensi	ons		
Dim	Min	Max	Go/No Go Gauge	15	2/6	37	18	Ву	Date
Lathe Section									
A	2.274	2.279		2279	2.279	2279	2:279		
В	3.702	3.722		3.711	3.716	3-744	3.714		
С	2.564	2.584		2.571	2.534	7.574	2.573		
D	0.718	0.738		0.731	0.725	0.730	6-718		
Е	0.090	0.110		0.695	0.097	0.094	0095		
F	2.464	2.484		2.473	2.474	2,474	2472		
G	2.029	2.049		2.634	2.039	7039	2-036		
Н	2.964	2.984		2.9,75	2.973	2.974	2.972		
1	0.913	0.933		0924	0.922	0.921	6.918		
J	0.022	0.042		0.032	0.032	0034	0.032		
K	0.090	0.110		0094	0095	0693	0.093		
L									
				HAAS	S Section				
AA	0.188	0.193	DT8706	0.190	0-190	0-190	0.196		
AB	0.240	0.260		0.351	0.249	6.750	0.249		
AC	0.115	0.150		0.129	0/24	0.129	0123		
AD	0.040	0.060		0.050	0.048	0.05	0.052		
AE	0.010	0.020		0-015	0.015	0-015	0.015		
AF	0.240	0.260		0.250	0,250	0.250	0.850		
AG	0.290	0.310		0-304	0.300	0.305	0.301		
AH	0.115	0.150		0-131	0.135	0136	0.135		
ΑI	0.454	0.474		0.463	6458	0-462	6.460		
AJ	2.779	2.789		2-782	2.780	2.778	2.781		
AK	0.240	0.260			0-250	0.250	0.250		
AL	1.002	1.042		4001	1042	1.042	1,042		
AM	0.053	0.073		0-063	0 -063	0.063	0.063		
AN	0.257	0.262	DT8683	0-358	0.258	0.258	0.958	-	
AO	1.663	1.683		1.667	1.675	1.673	1.677		
AP	0.053	0.073		0.063	0.063	0-063	0.063		
AQ	0.022	0.042		0.032	0.037	0.032	0.037		
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Measured by: 5	مرع	Audited by	and.
Date: 06/10/18	06/10/19	Date:	06/10/20

ſ	Rev	Date	Change		Approved
Ī	Α	02.12.12	New Issue	KJ/RF	+

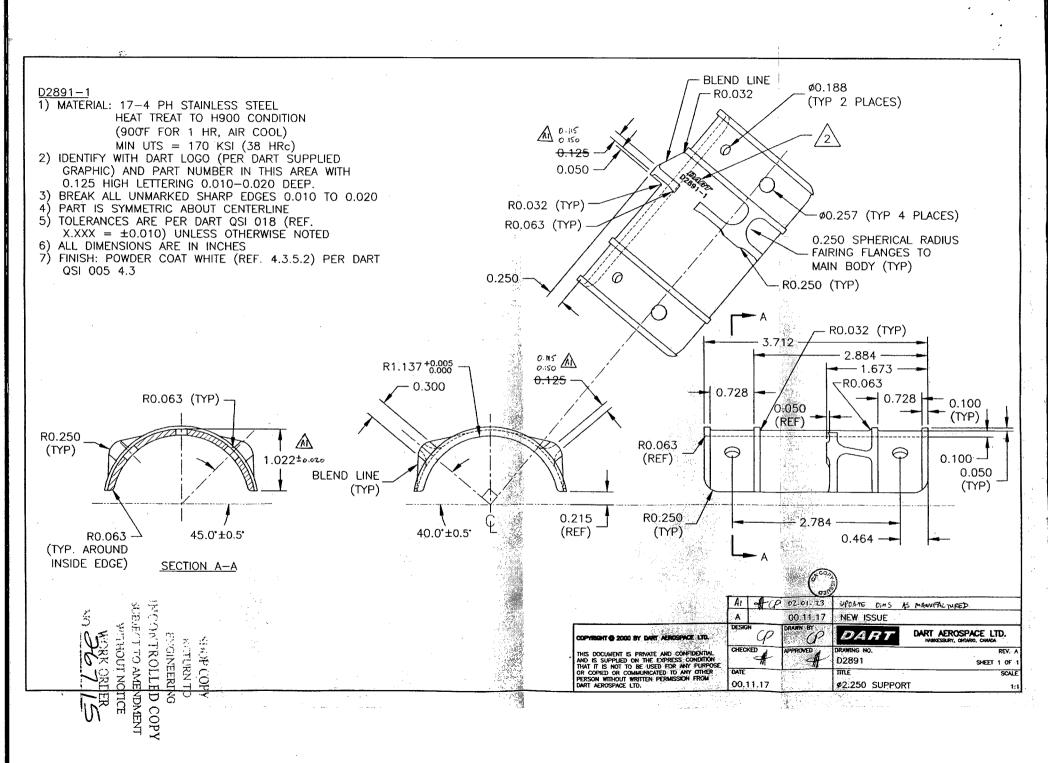
DART AEROSPACE LTD	Work Order:	26715
Description: Ø2.250 Support	Part Number:	D2891-1
Inspection Dwg: D2891 Rev. A1		Page 1 of 1

Inspect dimensions highlighted on inspection sheet drawing D2891 Rev.A1/DSK076 Rev.A and record below:

				Re	corded Actua	l Dimens	ions		
Dim	Min	Max	Go/No Go Gauge	\$ a	2/10	3	4	Ву	Date
	<u> </u>			Lath					
Α	2.274	2.279		2.275	2279				
В	3.702	3.722		3.714	3.711				
С	2.564	2.584		2584	3.711				
D	0.718	0.738		0.730	6731		<u> </u>		
Е	0.090	0.110		0 094	0099				
· F	2.464	2.484		2.474	2.473				
G	2.029	2.049		2.039	2.037				
Н	2.964	2.984		2.974	2.574				
1	0.913	0.933		0928	0.970				- A
J	0.022	0.042		0.032	0.032				
K	0.090	0.110		0.095	0.094				
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ΆΑ	0.188	0.193	DT8706	0-190	0.190			,	
AB	0.240	0.260		0.246	0.246				
AC	0.115	0.150		0.123	0121				
AD	0.040	0.060		0646	6.051				
AE	0.010	0.020		0.015	0015				
AF	0.240	0.260		0.250	0.520				
AG	0.290	0.310		6.305	0.304				
AH	0.115	0.150		0.135	6-136				
ΑI	0.454	0.474		0462	2.791				
AJ	2.779	2.789		2.790	2.781				
AK	0.240	0.260		0.550	0.250				
AL.	1.002	1.042		1,042	1.092				
AM	0.053	0.073		0.063	0.063				
AN	0.257	0.262	DT8683	0.260	0.760				
AO	1.663	1.683		1.675	1.675				
AP	0.053	0.073		6-063	0.063				
AQ	0.022	0.042		0.032	0-032				
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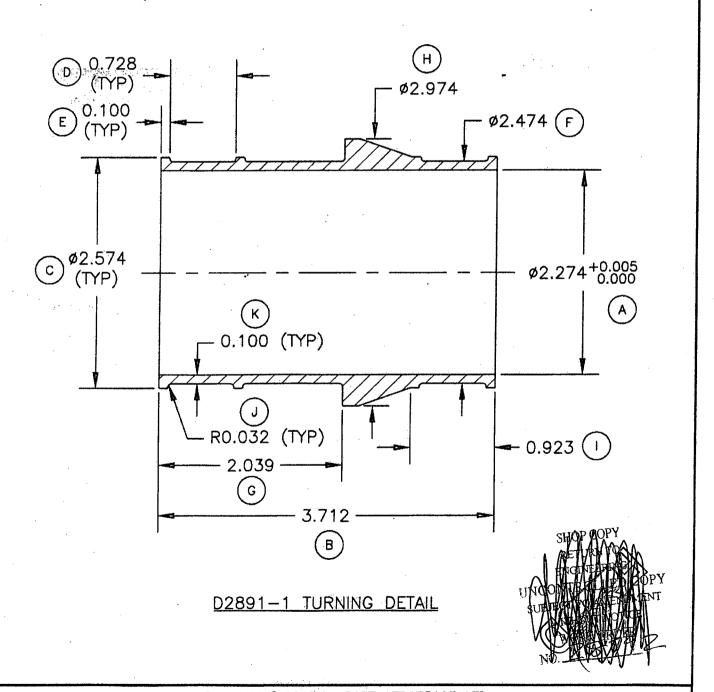
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	Date: 06/10/19	Date:	06/10/26

Rev	Date	Change	Revised by	Approved
* A	02.12.12	New Issue	KJ/RF	#





÷	DESIGN R	DRAWN BY	DART AEROSPACE HAWKESBURY, ONTARIO, CANAD	
	CHECKED	APPROVED	DRAWING NO.	REV. A
	9	9	DSK 076	SHEET 1 OF 1
ı	DATE		TITLE	SCALE
	03.05.20		TURNING DETAIL FOR D2891-1	1:1
1	A	03.05.20	NEW ISSUE	



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COMMON/FRT-CC SILL OF LADING RD T-17-4 HF -DART	RT COND AEROSPA	CE, CUT 3	.8" (+.	PART DES ELOW), 125,-(FINISHED GOOD RIPTION:::: 3-1/4	· 李明·李明·李明·李明·李明·李明· • • • • • • • • • • • • • • • • • • •	######### 68 -0)	東京 京戦 代 京 教 代 文 で の で は 保 教 で の か の で な は な な で の で で な な は で っ こ か か か	WA	RN L		
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COMMON/FRT-CC SILL OF LADING RD T-17-4 HF - DART Pest Results 'Shipping, do FULL CUSTOMER RECEIVING HOURS 8-3	RT COND AEROSPA Attn to	CE, CUT 3	A (6"& B .8" (+. artment partment package	PPD PART DES PROPERTY OF THE PPD PPD PPD PPD PPD PPD PPD PPD PPD PP	RUCTIONS OODS OODS LOADING NSTRUCTIC HAND, C	(+.04	of our		QVA AUDI	al."	(GHT	
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CERTIFICATE OF COMPLIANCE

We hereby certify that mercury or any of its compounds are not used in the processing and distribution of our products. The products we distribute are not hazardous in their received state. For MSDS sheets go to www.copperandbrass.com/msds or call 248-233-5682. We hereby certify that the material above complies with the following specifications:

ASTM-A564

AMS 5643Q

AISI 630

ROHS COMPLIANT

TAG NO

QUANTITY UOM VENDOR VEND PO HEAT/LOT 92.00 LB VALBRUN 0CE2857 414958

PCS ! TAG NO 1

QUANTITY UOM VENDOR VEND PO HEAT/LOT

PCS

PRINTED 04/28/06 11:07 AM

To # CE 2857
Product Certification Report



2400 Taylor Street West, P.O. Box 630 Fort Wayne, Indiana USA 46801

Report Number: 4044260

	Phone:	260-434-28	92 Fax: 26	0-434-2	905	C	ertifi	ied	on 1	Feb 1	4, 2009	Da Pa	ge 1	of 2
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Manager Laboratory Services

Dennis Hackett

VALBRUNA

SLATER STAINLESS, INC. 2400 Taylor Street-West, P.O. Box 630

2400 Taylor Street-West, P.O. Box 630 Fort Wayne, Indiana USA 46801 Phone: 260-434-2882 Fax: 260-434-2905

Material conforms to listed specifications.

Product Certification Report

Report Number: 4044260

FIRST METALS, INC. 4747 OATES ROAD HOUSTON, TX 77013 HR & Rough Turned BiB of Loding # Weight 400811 VALBRUNA STAINLESS, INC. 4747 OATES ROAD HOUSTON, TX, 77013	lacksquare	Phone	260-434-28	92 Fax: 26	0-434-2	905	Certi	fied	on	Feb	14,	2005	Page	2	of	2
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Quality system is compliant with ISO 9001:2000. Produced in accordance with EN 10204 3.1B.

Results relate only to the items tested. Certification shall not be reproduced except in full, without written approval of Valbruna Stainless Inc. The recording of false, fictitious, or fraudulent statements on this document may be punished as a felony under federal statutes, including Federal law, Title 18, Chapter 47. Consult material safety data sheet (MSDS) for hazard info. I hereby certify that the reported figures are correct as contained in the records of the corporation.

Manager Laboratory Services

Dennis Hackett

FORM: 1017 WORK ORDER: UZ5247

COPPER AND BRASS SALES

MATERIAL TYPE STAINLESS STEEL

AISI SERIES
200 300 400
AND
PRECIPIT HARDENING GRADES

"WARNING"

INHALATION OF FUMES, FRESHLY GENERATED BY THE WELDING OF STAINLESS STEEL CONTAINING ONE OR MORE OF THE FOLLOWING INGREDIENTS, ZINC, MAGNESIUM OR COPPER, ARE KNOWN TO CAUSE METAL FUME FEVER. INHALATION OF DUST OR FUME FROM STAINLESS STEEL CONTAINING ONE OR MORE OF THE FOLLOWING INGREDIENTS, ALUMINUM, IRON, MANGANESE, SELENIUM, OR TIN, HAS ALSO BEEN REPORTED TO CAUSE METAL FUME FEVER AND MAY CAUSE IRRITATION TO THE RESPITORY TRACT AND/OR AGGRAVATE PRE-EXISTING CONDITIONS. TARGET ORGAN; IS PRIMARILY THE LUNG.

THIS PRODUCT CONTAINS CHROMIUM. EXPOSURE TO CHROMIUM DUST OR FUME MAY CAUSE METAL FUME FEVER WITH FLU-LIKE SYMPTOMS AND KIDNEY AND LIVER DAMAGE UNDER HIGH TEMPERATURES, HEXAVALENT CHROMIUM MAY BE PRODUCED, IF IN THE INSOLUBLE FORM, IT IS A CONFIRMED HUMAN CARCINOGEN. THIS PRODUCT MAY ALSO CONTAIN NICKEL AND COBALT. INHALATION OF NICKEL OR COBALT DUST OR FUME MAY RESULT IN INFLAMMATION OF THE RESPIRATORY TRACT. NICKEL AND COBALT HAVE BEEN IDENTIFIED AS POTENTIAL HUMAN CARCINOGENS.

IF COATED WITH OIL, MAY CAUSE SKIN IRRITATION/DERMATITIS BY CONTACT. WELDING FUME IS LISTED AS A A POSSIBLE CARCINOGENIC TO HUMANS.

READ THE STAINLESS STEEL MATERIAL SAFETY DATA SHEET (MSDS) ON FILE WITH YOUR EMPLOYER BEFORE WORKING WITH THIS MATERIAL

- * If processing or recycling produces particulate, use exhaust ventilation or other controls designed to prevent exposure to workers.

 Examples of such activities include melting, welding, grinding, abrasive sawing, sanding and polishing. Any activity which abrades the surface of this material can generate airborne particulate. Use respiratory protection (P100, quantitative fit testing required) if exposures exceed the permissible limits.
- * The Occupational Safety and Health Administration (OSHA) have set mandatory limits on occupational exposures.
- * Stainless Steel, in solid form and as contained in finished products presents no special health risk.
- * Sold for manufacturing purposes only. This product can be recycled; contact your sales representative.

The Occupational Safety and Health Administration require employers to provide training in the proper use of this product.

For additional information, call or write to Copper and Brass Sales, 22355 West Eleven Mile Road, Southfield, MI 48034, telephone 248-233-5600, or visit our web site @ www.copperandbrass.com.



CERTIFICATE OF CONFORMITY

SOLD TO:

SHIPPED TO:

Dart Aerospace Ltd. 1270 Aberdeen Street Hawkesbury, Ont. K6A 1K7

same

QUANTITY	PART NUMBER	PART NAME	P.O. NUMBER
10	DSK076	Support as per Dwg DSK076 D6104-003 B28388	2068
8	DSK076	Support as per Dwg DSK076 D6104-003 B28077	2068
10	DSK076	Support as per Dwg DSK076 D6104-003 (B26715)	2068
20	DSK077	Support as per Dwg DSK077 D6104-003 B28389	2068
8	DSK077	Support as per Dwg DSK077 D6104-003 B27970	2068
7	DSK077	Support as per Dwg DSK077 D6104-003 B28078	2068
14	DSK080	Support as per Dwg DSK080 D6104-011 B27266	2068

MATERIAL: supplied by DART

We hereby certify that the above parts were made in conformance with applicable drawings.

METEC Metall Technology Inc.

Shigi (Regula) **W**alz

Vankleek Hill, September 20, 2006

